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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,270	11/25/2003	Valerian Mayega	TI-36598	6654
23494	7590 09/28/2005		EXAMINER	
	TRUMENTS INCORPO	BERHANE, ADOLF D		
	DBOX 655474, M/S 3999 LLLAS, TX 75265		ART UNIT	PAPER NUMBER
DALLAG, TA 13203			2838	
			DATE MAILED: 09/28/2005	

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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
	10/722,270	MAYEGA ET AL.		
Office Action Summary	Examiner	Art Unit		
	Adolf Berhane	2838		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	J. lely filed the mailing date of this communication. O (35 U.S.C. § 133).		
Status		•		
Responsive to communication(s) filed on 2a) ☐ This action is FINAL. 2b) ☑ This 3) ☐ Since this application is in condition for allowan closed in accordance with the practice under Expression is the practice of the practice o	action is non-final. ace except for formal matters, pro			
Disposition of Claims				
 4) Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-24 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 				
Application Papers				
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the conference of the	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.				
Attachment(s)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 12/29/03. 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:			

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-5, 7-10, 11-21 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Lenk (6,222,352).

Lenk discloses a multiple voltage output buck converter with a single inductor in Figs. 1 and 2. A single-inductor (18) dual-output buck converter (10), a power source that supplies DC power (24), a first output (28) that selectively obtains power from the power source through an inductor and provides a first output voltage and a first output current according to a first duty cycle; and a second output that selectively obtains power from the power source through the inductor and provides a second output (36) voltage and a second output current according to a second duty cycle, re-circulation switches (16) that re-circulate inductor current to the power source during non-duty cycle periods, a first switch (14) that controllably connects the power source to the inductor, a second switch (22) that controllably connects the first output to the inductor, a third switch that controllably connects the second output to the inductor, the first output comprises a first capacitor (24) and a first load (connected to 28), the second output comprises a second capacitor (32) and a second load (connected to 36).

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Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lenk in view of Yang (6,023,109).

Lenk discloses the claimed invention except for a battery as the power source. Yang teaches that it is known to use a battery as a power source in a multiple voltage output DC power supply. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide a battery as taught by Yang in Lenk converter in order to provide a portable and low cost power source.

5. Claims 11, 22 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lenk.

Lenk discloses the claimed invention except for the different output values and duty cycles. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the different values, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. *In re Boesch*, 617 F.2d 272, 205 USPQ 215 (CCPA 1980).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2838

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolf Berhane whose telephone number is 571-272-2077. The examiner can normally be reached on Monday- Friday 8 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Adolf Berhane Primary Examiner Art Unit 2838